

Figure 3

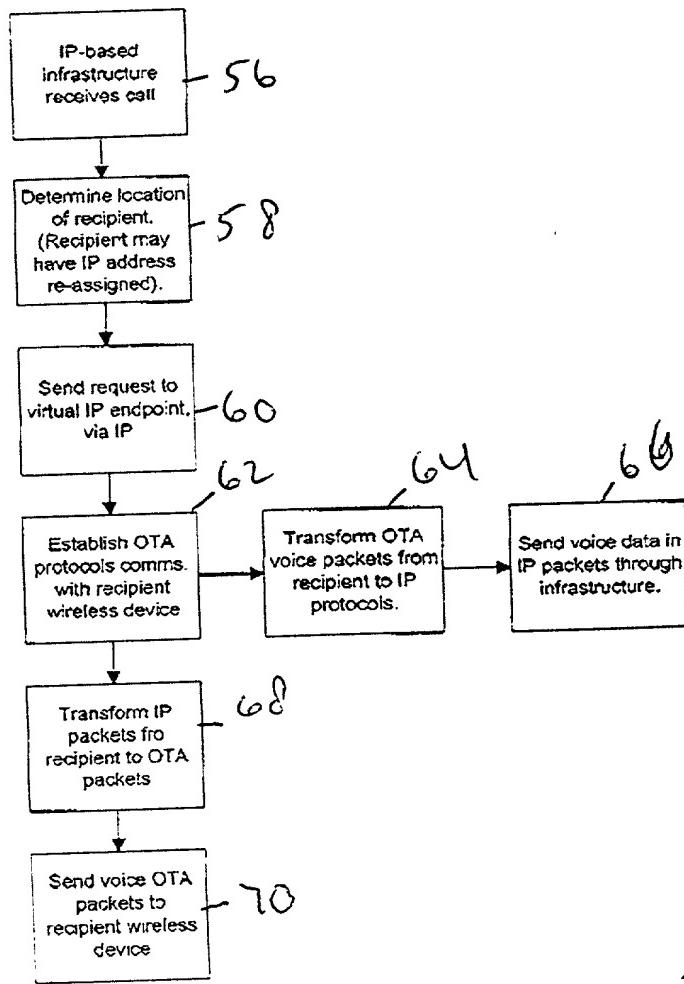


Fig. 4

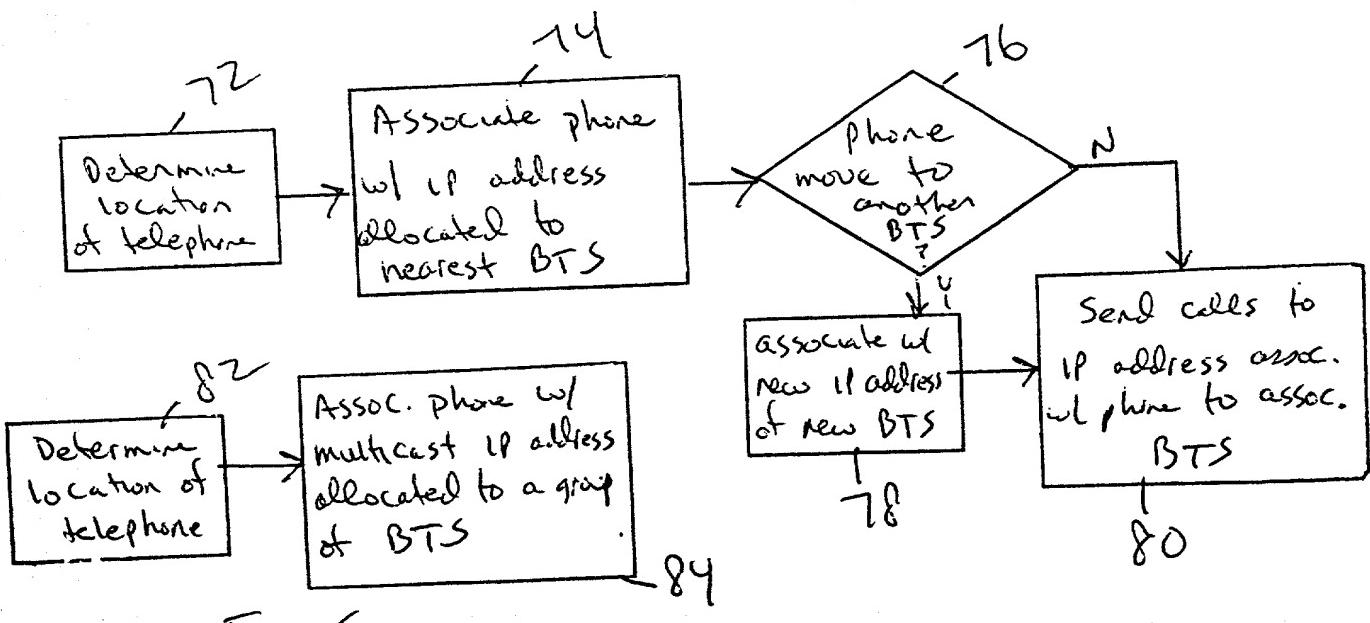


Fig. 5

Fig. 6

102  
REGISTER sip:registrar.qc-pbx.com SIP/2.0  
Via: SIP/2.0/UDP CAP1.qc-pbx.com 104  
To: <sip:8586517777@CAP1.qc-pbx.com>  
From: <sip:8586517777@CAP1.qc-pbx.com>; ESN=74020fff;IMSI\_CLASS=0  
Proxy-Authorization: CDMA-CAVE=1.0  
AUTHR="xxxxxxxx",  
RANDC="yyyyyyyy",  
COUNT="zzzzzzzz" } 110  
112  
X-CDMA-ACHP: MOB\_TERM=1;SCM=106;PM=0;ENCRYPTION\_SUPPORTED=0;  
PACA\_SUPPORTED=0  
Call-Id: 90@qc-pbx.com  
CSeq: 1 REGISTER  
Contact: <sip:8586517777@CAP1.qc-pbx.com>  
Content-Length:0

100  
106 108

Fig. 7

200  
INVITE sip:8586510000@qc-pbx.com SIP/2.0  
Via: SIP/2.0/UDP CAP1.qc-pbx.com  
To: <sip:8586510000@qc-pbx.com>  
From: <sip:8586517777@CAP1.qc-pbx.com>; ESN=74020fff;IMSI\_CLASS=0  
Call-Id: 100@qc-pbx.com 204 206 208  
CSeq: 1 INVITE  
X-CDMA-ACHP: MOB\_TERM=1;SCM=106;PM=0;ENCRYPTION\_SUPPORTED=0;  
PACA\_SUPPORTED=0  
Contact: <sip:8586517777@CAP1.qc-pbx.com>  
Content-Type: application/sdp  
Content-Length:128

v=0  
o=8586514321 112233 445566 IN IP4 8586517777@CAP1.qc-pbx.com  
s=-  
c=IN IP4 10.11.12.1  
t=0 0  
a=sendrec  
m=audio 5201 RTP/AVP 12

## IS-95B Access Channel Parameter Details

IS-95B Access Channel Parameter	Description	SIP Field
MSID	Mobile Station Identification Number or combination of numbers used to uniquely identify the mobile to the infrastructure. The MSID consists of the mobile ESN (Electronic Serial Number), IMSI (International Mobile Station Identity), IMSI and ESN, or TMSI (Temporary Mobile Station Identity).	<ul style="list-style-type: none"> <li>▪ From header</li> <li>▪ Contact header</li> <li>▪ X-CDMA header</li> </ul>
AUTHR	Authentication Response An 18-bit output of the CDMA authentication algorithm, used to validate mobile station originations, registrations and terminations.	<ul style="list-style-type: none"> <li>▪ 407 Proxy Authenticate extension</li> </ul>
RANDC	RANDC The 8 most significant bits of RAND, the random number issued by the infrastructure for input to the CDMA authentication algorithm.	<ul style="list-style-type: none"> <li>▪ 407 Proxy Authenticate extension</li> </ul>
COUNT	Call history parameter Counter maintained by the mobile and the authentication center of the number of mobile call attempts. Used to assist in identifying clone mobile stations.	<ul style="list-style-type: none"> <li>▪ 407 Proxy Authenticate extension</li> </ul>
IMSI_CLASS	IMSI class Used to denote what components are used to identify the mobile station to the infrastructure	<ul style="list-style-type: none"> <li>▪ From header</li> <li>▪ Contact header</li> <li>▪ X-CDMA header</li> </ul>
MOB_TERM	Mobile Station Termination Indicator Set to '1' if the mobile can terminate calls in its current roaming status	<ul style="list-style-type: none"> <li>▪ X-CDMA header</li> </ul>
MOB_P_REV	Mobile Station Protocol Revision Used to determine if the protocol revisions supported by the mobile station and the infrastructure are compatible.	<ul style="list-style-type: none"> <li>▪ X-CDMA header</li> </ul>

Fig. 1

IS95B Access Channel Parameter	Description	SIP Field
<b>SPECIAL_SERVICE</b>	Special service option indicator Used by the mobile to indicate a request for a service option other than the default service option	<ul style="list-style-type: none"> <li>▪ SDP "m" (media information) header field.</li> <li>▪ May also be part of the SDP "a" (media attribute) header field.</li> </ul>
<b>SERVICE_OPTION</b>	Service option indicator Used by the mobile station to indicate a request for a specific service option	<ul style="list-style-type: none"> <li>▪ SDP "m" (media information) header field.</li> <li>▪ May also be part of the SDP "a" (media attribute) header field.</li> </ul>
<b>PM</b>	Privacy Mode indicator Used to indicate over-the-air privacy mode.	<ul style="list-style-type: none"> <li>▪ X-CDMA header</li> </ul>
<b>CHARi</b>	Dialed digit or character Indicates what format dialed digits are sent, either DMTF or ASCII	<ul style="list-style-type: none"> <li>▪ To header</li> </ul>
<b>PACA</b>	Priority Access and Channel Assignment A priority mobile-originated call for which there is no OTA resource available when the call is originated; which has been queued for priority access channel assignment.	<ul style="list-style-type: none"> <li>▪ X-CDMA header</li> </ul>
<b>ENCRYPTION_SUPPORTED</b>	Indicates support for OTA encryption of CDMA signaling.	<ul style="list-style-type: none"> <li>▪ X-CDMA header</li> </ul>

Fig. 8 (cont)